

**NEW UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)***(Only for new nonprovisional applications under 37 CFR 1.53(b))*Docket No.
48,240Total Pages in this Submission
46**TO THE ASSISTANT COMMISSIONER FOR PATENTS**Box Patent Application
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

LIQUID CRYSTAL DISPLAY DEVICE AND METHOD FOR PRODUCING THE SAME

and invented by:

Yasuhiro Matsushima and Takashi SatoIf a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Enclosed are:

Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 40 pages and including the following:
 - a. ☒ Descriptive Title of the Invention
 - b. ☐ Cross References to Related Applications *(if applicable)*
 - c. ☐ Statement Regarding Federally-sponsored Research/Development *(if applicable)*
 - d. ☐ Reference to Microfiche Appendix *(if applicable)*
 - e. ☒ Background of the Invention
 - f. ☒ Brief Summary of the Invention
 - g. ☒ Brief Description of the Drawings *(if drawings filed)*
 - h. ☒ Detailed Description
 - i. ☒ Claim(s) as Classified Below
 - j. ☒ Abstract of the Disclosure
3. ☒ Drawing(s) *(when necessary as prescribed by 35 USC 113)*
 - a. ☒ Formal
 - b. ☐ Informal

Number of Sheets 6

03/20/98

03/20/98 U.S. PTO

090415385-032098

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46

Application Elements (Continued)

4. ☒ Oath or Declaration
- a. ☐ Newly executed (*original or copy*) ☐ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63(d)) (*for continuation/divisional application only*)
- c. ☒ With Power of Attorney ☐ Without Power of Attorney
5. ☐ Incorporation By Reference (*usable if Box 4b is checked*)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ Computer Program in Microfiche (*Appendix*)
7. ☐ Nucleotide and/or Amino Acid Sequence Submission (*if applicable, all must be included*)
- a. ☐ Paper Copy
- b. ☐ Computer Readable Copy (*identical to computer copy*)
- c. ☐ Statement Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

8. ☒ Assignment Papers (*cover sheet & document(s)*)
9. ☐ 37 CFR 3.73(B) Statement (*when there is an assignee*)
10. ☐ English Translation Document (*if applicable*)
11. ☐ Information Disclosure Statement/PTO-1449 ☐ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Acknowledgment postcard
14. ☒ Certificate of Mailing
- ☐ First Class ☒ Express Mail (*Specify Label No.*): TB555345296US
15. ☒ Certified Copy of Priority Document(s) (*if foreign priority is claimed*)

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46

Accompanying Application Parts (Continued)

16. ☐ Additional Enclosures (please identify below):

Fee Calculation and Transmittal

CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	17	- 20 =	0	x \$22.00	\$0.00
Indep. Claims	4	- 3 =	1	x \$82.00	\$82.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$790.00
OTHER FEE (specify purpose) <u>Recordal of Assignment</u>					\$40.00
TOTAL FILING FEE					\$912.00

- ☒ A check in the amount of \$912.00 to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 04-1105 as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of _____ as filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Dated:

3/20/98


Signature

David S. Resnick, Esq. (34,235)
Dike, Bronstein, Roberts & Cushman, LLP
130 Water Strteet
Boston, MA 02109
Tel.: (617) 523-3400

cc:

#2/Priorit. P.
A. Chestnut
5-15-98

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): Y. Matsushima, etal.

Docket No.

48,240

U.S. PAT. & T.M. OFFICE
MAR 19 1998
045385



Serial No. Not yet assigned	Filing Date Filed herewith	Examiner Not yet assigned	Group Art Not yet assigned
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Invention: **LIQUID CRYSTAL DISPLAY DEVICE AND METHOD FOR PRODUCING THE SAME**

I hereby certify that this **NEW UTILITY PATENT APPLICATION TRANSMITTAL (LARGE ENTITY)**
(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under
37 CFR 1.10 in an envelope addressed to: The Commissioner of Patents and Trademarks, Washington, D.C.

20231-0001 on March 20, 1998
(Date)

Kathy Thomas

(Typed or Printed Name of Person Mailing Correspondence)

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FD-501 O-1595

RECORDATION FORM COVER SHEET PATENTS ONLY

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Patent and Trademark Office

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

1. Name of Conveying Party(ies):

Yasuhiro Matsushima and Takashi Sato

Additional name(s) of conveying party(ies) attached? No

2. Name and address of receiving party(ies)

Name: Sharp Kabushiki KaishaStreet Address: 22-22, Nagaike-cho, Abeno-kuOsaka 545, JAPAN

City: _____ State: _____ ZIP: _____

Additional name(s) & address(es) attached? No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other: _____

Execution Date: March 10, 1998

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: March 10, 1998

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David G. Conlin, Esq.

Internal Address: _____

Street Address: Dike, Bronstein, Roberts, etal., LLP130 Water StreetCity: Boston, State: MA ZIP: 021096. No. of applications and/or patents involved: 17. Total fee (37 CFR 3.41)..... \$ 40.00

- ☒ Enclosed
☐ Authorization to charge deposit account
☐ Total amount due
☐ Any fee deficiencies that may be due

8. Deposit account number: _____

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

David S. Resnick, Esq. (34,235)
 Name and Registration Number of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to:
 Commissioner of Patents and Trademarks, Box Assignments
 Washington, DC 20231

JC542 U.S. PTO
 09/045385
 03/20/98